**Index of Claims** 

| Application/Co | ontrol No. |
|----------------|------------|
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Andrew Joseph Rudy

09/747,218

Examiner

MEYERS, STEPHEN

Applicant(s)/Patent under

**Art Unit** 

Reexamination

3627

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

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| Cla       | aim                                    | Date      |  |  |  |  |              |              |  |          |  |  |
| Final     | Original                               | 2/8/2     |  |  |  |  |              |              |  |          |  |  |
|           |  | _         | ļ.,  | <u> </u>   | <u> </u>   | ↓_   | ₽-           | _            | ↓_   | 1        |  |  |
|           | 1<br>2<br>3<br>4<br>5<br>6             | ┼-        | <b></b>  | ▙  | -  | ⊢  | Ͱ            | ⊢            | ╀  | $\vdash$ |  |  |
|           | 3                                      | -         | ⊢  | -  | <del>                                     </del> | $\vdash$   | -            | ┢            | ╁  | $\vdash$ |  |  |
| -         | 4                                      | 1         | H  | <del> </del>                                     | <del> </del>                                     | <u> </u>   | 1            | 1            | <del> </del>                                     | -        |  |  |
|           | 5                                      | 1         | ┢  | <u> </u>   |  | <del>                                     </del> |              |              | t  |          |  |  |
|           | 6                                      | П         |  | П  | T  | П  | 1            |              | İΤ   | $\Box$   |  |  |
|           | 7<br>8                                 |           |  |  |  |  |              |              |  |          |  |  |
|           | 8                                      |           |  | L  |  | _  | 上            | Ľ            |  | Ш        |  |  |
|           | 9                                      | <u> </u>  | _  | _  | _  | ┡  | ┞_           | <u> </u>     | <u> </u>   | Ш        |  |  |
|           | 10                                     | -         | <u> </u>   | _  | <u> </u>   | ├-   | ├            | _            | -  | Ш        |  |  |
| <u> </u>  | 17                                     | $\vdash$  | $\vdash$   | $\vdash$   | -  | ├-   | $\vdash$     | -            | $\vdash$   | $\vdash$ |  |  |
|           | 13                                     | ┢         | $\vdash$   | $\vdash$   | -  | -  | $\vdash$     | -            | $\vdash$   | Н        |  |  |
|           | 14                                     | ⇈         | <del>                                     </del> | _  | Ι-   | $\vdash$   | $\vdash$     | +            | $\vdash$   | $\vdash$ |  |  |
|           | 10<br>11<br>12<br>13<br>14<br>15<br>16 | ⇈         | _  | <del>                                     </del> |  | Τ  | T            | T            | Т  | H        |  |  |
|           | 16                                     |           |  |  |  |  |              |              |  |          |  |  |
|           | 17                                     |           |  |  |  |  |              |              |  |          |  |  |
|           | 18<br>19                               | _         | ᆫ  | _  | _  | <u> </u>   | <u> </u>     | _            | _  | Ш        |  |  |
|           | 19                                     | ┞         | _  | _  | _  | <u> </u>   | ļ            |              |  |          |  |  |
|           | 20                                     | L-,       | L-   | ┝  | <u> </u>   | ـــــ  | -            | <u> </u>     | ┡  | $\sqcup$ |  |  |
|           | 21                                     | Y         | $\vdash$   | H  | -  |  | ⊢            |              | <del> </del>                                     | Н        |  |  |
| -         | 20<br>21<br>22<br>23                   | ₩         |  | $\vdash$   |  | -  | ⊢            | -            | <del>                                     </del> | Н        |  |  |
|           | 24                                     | H         |  | $\vdash$   | -  | -  | ┢            | -            | ┢  | H        |  |  |
|           | 25                                     | J         |  |  |  |  |              |              | l  | П        |  |  |
|           | 26                                     | ÿ         |  |  |  |  |              |              |  |          |  |  |
|           | 24<br>25<br>26<br>27<br>28<br>29<br>30 |           |  |  |  |  |              |              |  |          |  |  |
|           | 28                                     |           |  | _  | <u> </u>   | <u>L</u>   | <u> </u>     |              |  |          |  |  |
|           | 29                                     | <u> </u>  | <u> </u>   | _  | _  | <u> </u>   | ļ            | _            | _  |          |  |  |
|           | 30                                     |           |  |  | ļ  | <u> </u>   | <u> </u>     | <u> </u>     | _  | Щ        |  |  |
|           | 32                                     | ┝         |  | ⊢  | -  | ⊢  | ┢            | -            | ┢┈   | Н        |  |  |
|           | 32<br>33                               | $\vdash$  | -  | $\vdash$   | $\vdash$   |  | -            | $\vdash$     | ┢  | Н        |  |  |
|           | 34                                     |           | Н  |  |  | $\vdash$   | -            | $\vdash$     | $\vdash$   | Н        |  |  |
|           | 35                                     | J         |  |  |  |  |              |              |  | П        |  |  |
|           | 35<br>36                               | V         |  |  |  |  |              |              |  |          |  |  |
|           | 37                                     |           |  |  |  | 匚  |              |              |  | Ш        |  |  |
|           | 38                                     | V,        | Щ  |  | L.   | <u> </u>   | <u> </u>     | _            | L  | Щ        |  |  |
|           | 39                                     | <b>V</b>  |  | <u> </u>   |  | <u> </u>   | <b> </b>     | ļ            | _  | $\sqcup$ |  |  |
|           | 40                                     | <u> </u>  |  |  |  | <del> </del>                                     | <u> </u>     | <del> </del> | -  | Н        |  |  |
| $\vdash$  | 42                                     | $\vdash$  |  |  | -  | $\vdash$   | <del> </del> | -            | ⊢  | Н        |  |  |
|           | 43                                     | Н         |  |  |  | $\vdash$   | $\vdash$     |              | ┢  | H        |  |  |
|           | 44                                     | П         |  |  | _  | $\vdash$   |              | Т            |  | $\vdash$ |  |  |
|           | 45                                     |           |  |  |  |  |              |              |  |          |  |  |
|           | 46                                     | $\square$ |  |  |  |  |              |              |  |          |  |  |
|           | 47                                     |           |  |  |  | oxdot  |              |              |  |          |  |  |
| <b>——</b> | 48                                     | $\sqcup$  | Щ  |  |  |  | Ш            |              | <u> </u>   | Щ        |  |  |
|           | 49                                     | Ш         | _  | _  |  | $\vdash$   | $\vdash$     | _            | <u> </u>   | Щ        |  |  |
|           | 50                                     |           |  |  |  |  |              |              |  |          |  |  |

| Cla      | aim            | Г                 |                 |          |          | Dat          | е                                   |                |          |          | 1 1        | Cla    | im       | Γ         |          |          |          | Dat          | <br>e    |          |          |          |
|----------|----------------|-------------------|-----------------|----------|----------|--------------|-------------------------------------|----------------|----------|----------|------------|--------|----------|-----------|----------|----------|----------|--------------|----------|----------|----------|----------|
|          |                | 17                |                 |          | П        | Γ            | l i                                 |                |          |          | 1          |        |          |           |          |          |          |              |          |          |          | Γ        |
| ਲ        | Original       | 8,19/12           |                 |          |          | l            |                                     |                |          | l        |            | ਭ      | Original |           |          |          |          |              |          |          |          |          |
| -Ina     | Ę              |                   |                 |          |          |              | 1                                   |                |          |          | 1          | Final  | ij       |           |          |          |          |              |          |          |          |          |
| _        | 01             | 65                |                 |          |          |              |                                     |                |          |          |            | _      | 0        |           |          |          |          |              |          | ]        |          |          |
|          | 1              |                   | -               | -        | -        | ╁╌           | ┢                                   | _              | -        | -        | 1 1        |        | 51       | Н         |          |          | $\vdash$ | ┢            | $\vdash$ | ⊢        | <u> </u> | -        |
|          | 2              | -                 |                 |          | ┝        | $\vdash$     | ┢                                   | $\vdash$       |          | ┢        | 1 1        |        | 52       | $\vdash$  |          |          | $\vdash$ | $\vdash$     | ├        | ⊢        | $\vdash$ | H        |
|          | 3              |                   |                 | _        |          | ┝            |                                     | -              |          | -        | 1          |        | 53       | Н         |          |          | ├        | $\vdash$     |          | ├        | $\vdash$ | H        |
| _        | 4              | H                 | _               |          | -        | $\vdash$     | -                                   | -              |          | -        | 1          |        | 53       | H         |          |          | ├-       | ⊢            | ⊢        | ┝        | -        | -        |
|          | 5              | $\vdash$          |                 |          | -        | ├            | $\vdash$                            | ⊢              | $\vdash$ | -        | 1          |        | 54<br>55 | $\vdash$  |          |          | ├        | ⊢            | ├—       | -        | $\vdash$ |          |
|          | 6              | Н                 |                 |          | $\vdash$ | ⊢            | -                                   | -              | _        | <u> </u> | 1 1        |        | 55       | Н         | _        | -        | <u> </u> | ⊢            | ⊢        | -        | _        | -        |
| _        |                | Н                 |                 |          | ┝        | ├            | H                                   | _              | -        | -        | ┨          |        | 56       | -         |          |          |          | <del> </del> | ⊢        | ⊢        |          | -        |
|          | 7<br>8         | Н                 | -               |          | H        | ⊢            | ⊢                                   | <del>  -</del> | ┝        | -        | <b>∤</b> ∤ | -      | 57<br>58 | Н         |          |          | <u> </u> | -            | ┝        | ⊢        | ├        | _        |
|          | 0              | Н                 | $\vdash$        |          | -        | ├            | ├                                   | H              | <u> </u> | ⊢        | { }        |        | 50       | Н         | -        | _        | _        | ⊢            | ┡        | <u> </u> |          | <u> </u> |
|          | 9              | Н                 |                 |          | ⊢        | ⊢            | ⊢                                   | -              | _        | ⊢        | <b>∤  </b> |        | 59       | $\vdash$  |          | _        |          | -            | <u> </u> | <u> </u> | Ш        | Н        |
|          | 10             | Н                 |                 |          | ├        | <u> </u>     | <del> </del>                        | <u> </u>       |          | <u> </u> | <b>∤</b> ∤ |        | 60       | Н         |          |          | -        | <u> </u>     |          | ┡        |          |          |
|          | 11             |                   | Щ               |          | <u> </u> | <del> </del> | <u> </u>                            |                |          | <u> </u> | 1          |        | 61<br>62 | Н         |          | _        |          | _            | _        |          |          | L        |
|          | 12             |                   |                 |          | <u> </u> | ļ            | <u> </u>                            | <u> </u>       |          | <u> </u> | 1          |        | 62       | $\square$ | _        |          |          | _            | _        | _        |          | Ш        |
|          | 13             | $\Box$            | _               |          | <u> </u> | _            | <u> </u>                            | <u> </u>       |          | L        |            |        | 63       | Ш         |          |          |          | <u> </u>     | _        |          |          | Щ        |
|          | 14             | Ш                 | _               |          | _        |              | <u> </u>                            | ļ              |          | _        | 1 1        |        | 64       | Ш         |          |          |          |              | <u> </u> |          |          |          |
|          | 15             | Ш                 |                 |          |          |              |                                     |                |          |          |            |        | 65       | Щ         |          |          | Ь.       |              | <u> </u> | _        |          |          |
|          | 16             | Щ                 | Щ               |          |          | ᆫ            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                |          | _        |            |        | 66       | Ш         |          |          |          |              |          | <u> </u> |          |          |
|          | 17             |                   |                 |          |          |              |                                     |                |          |          |            |        | 67       | Ш         |          |          |          |              |          | <u> </u> |          |          |
|          | 18             |                   |                 |          |          |              |                                     |                |          |          |            |        | 68       | Ш         |          |          |          |              |          |          |          |          |
|          | 19             |                   |                 |          |          |              |                                     |                |          |          | ] [        |        | 69       |           |          |          |          |              |          |          |          |          |
|          | 20             |                   |                 |          |          |              |                                     |                |          |          |            |        | 70       |           |          |          |          |              |          |          |          |          |
|          | 21             | $\overline{\ \ }$ |                 |          |          |              |                                     |                |          |          |            |        | 71       |           |          |          |          |              |          |          |          |          |
|          | 22<br>23       | 4                 |                 |          |          |              |                                     |                |          |          | ] [        |        | 72       |           |          |          |          |              |          |          |          |          |
|          | 23             |                   |                 |          |          |              |                                     |                |          |          |            |        | 73       |           |          |          |          |              |          |          |          |          |
|          | 24<br>25<br>26 | П                 |                 |          |          |              |                                     |                |          |          | 1          |        | 74       |           |          |          |          |              | _        |          |          |          |
|          | 25             | ÿ                 |                 |          |          |              |                                     |                |          |          |            |        | 75       |           |          |          |          |              |          |          |          |          |
|          | 26             | 7                 |                 |          |          |              |                                     |                |          |          | 1 [        | $\neg$ | 76       |           | $\neg$   |          |          |              |          |          |          |          |
|          | 27             |                   |                 |          |          |              |                                     |                |          |          | 1 1        |        | 77       |           |          |          |          |              |          |          |          | $\neg$   |
|          | 28<br>29<br>30 | $\neg$            | $\neg \uparrow$ |          |          |              |                                     |                |          |          | 1 1        |        | 78       |           |          |          |          |              |          |          |          |          |
|          | 29             |                   |                 |          |          |              |                                     |                |          |          | 1 1        |        | 79       |           |          |          |          |              |          |          |          |          |
|          | 30             | $\neg \uparrow$   | $\neg$          |          |          |              |                                     |                |          |          | 1          |        | 80       |           | _        | $\neg$   |          |              |          |          | $\neg$   | $\neg$   |
|          | 31             |                   |                 | ヿ        |          | -            |                                     |                |          |          |            |        | 81       | $\neg$    |          |          |          |              |          |          |          | $\vdash$ |
| $\neg$   | 32             |                   | 寸               | $\neg$   |          |              |                                     |                | -        |          |            | -      | 82       | $\dashv$  | $\neg$   | $\neg$   |          | _            |          |          |          | $\vdash$ |
|          | 32<br>33       |                   |                 | 一        |          |              | _                                   | $\neg$         |          |          |            |        | 83       | Ħ         | $\neg$   | ᆿ        | $\neg$   | _            |          |          |          | $\neg$   |
|          | 34             |                   | ヿ               | 一        |          |              |                                     | $\neg$         |          |          |            |        | 84       |           |          | $\neg$   |          |              |          |          | _        | $\dashv$ |
|          | 35             | 7                 | 寸               | $\neg$   | _        |              |                                     |                | $\dashv$ |          | lt         |        | 85       | $\Box$    |          | コ        |          | -            | -        | _        |          | 一        |
|          | 35<br>36       | V                 | 寸               |          | _        |              |                                     |                | $\dashv$ |          |            |        | 86       |           |          |          |          | -            |          |          |          | $\dashv$ |
| 一        | 37             | <b>Y</b>          | T               |          |          |              |                                     |                | $\neg$   | _        | it         |        | 87       | _         |          |          |          |              |          |          |          | $\dashv$ |
| 一        | 38             | 1                 | $\dashv$        |          |          |              |                                     |                | _        | _        | ╽          |        | 88       |           | _        | $\neg$   | _        | _            |          |          | $\dashv$ |          |
| T        | 39             | ゞ                 | 寸               |          | _        |              |                                     | $\dashv$       | _        | _        |            |        | 89       | -         |          |          | $\neg$   | _            |          |          | _        | _        |
|          | 40             | •                 | 7               | _        |          |              | _                                   | Н              | $\dashv$ | _        |            |        | 90       | $\dashv$  | $\dashv$ | $\dashv$ |          |              |          |          |          |          |
|          | 41             | $\dashv$          | $\dashv$        | $\dashv$ |          | _            | $\neg$                              |                | _        | -        | lt         |        | 91       | $\dashv$  | $\dashv$ | -        | -        |              | -        |          | $\dashv$ |          |
| $\dashv$ | 42             | $\dashv$          | _               | _        |          |              | -                                   | $\dashv$       | -        | _        | lŀ         |        | 92       | $\dashv$  | -        | $\dashv$ | _        |              | -        | -        | $\dashv$ | $\dashv$ |
| ┪        | 43             | $\dashv$          | $\dashv$        | $\dashv$ | _        | Н            |                                     |                |          |          |            |        | 93       | $\dashv$  | $\dashv$ | $\dashv$ | _        | -            | -        | $\dashv$ | -        | $\dashv$ |
|          | 44             |                   | $\dashv$        | $\dashv$ |          | $\vdash$     | $\dashv$                            | -              |          |          | -          |        | 94       | -         | -+       | $\dashv$ | $\dashv$ |              |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\dashv$ | 45             | -                 | $\dashv$        | $\dashv$ |          | $\vdash$     | -                                   | -              |          |          |            | -+     | 95       | -         |          |          | $\dashv$ | $\vdash$     | $\dashv$ |          |          |          |
| -        | 46             | $\dashv$          | $\dashv$        |          |          | $\vdash$     | $\dashv$                            | $\dashv$       |          |          | H          | -      | 96       |           | -        | $\dashv$ | -        | $\dashv$     |          | $\dashv$ | -        | $\dashv$ |
| $\dashv$ | 47             | $\dashv$          | $\dashv$        |          |          | $\dashv$     | -                                   |                | $\dashv$ | _        | -          |        | 97       |           |          | $\dashv$ |          | -            |          | $\dashv$ | $\dashv$ | ᆛ        |
| ┥        | 48             |                   | -+              | $\dashv$ |          | $\vdash$     | $\dashv$                            |                | $\dashv$ | -        |            |        | 98       | $\dashv$  |          |          |          | $\vdash$     | -        | -1       |          |          |
| $\dashv$ | 49             | -+                | $\dashv$        | -        |          |              | $\dashv$                            | -              | $\dashv$ |          |            |        | 99       |           | $\dashv$ | ᆛ        | _        | $\dashv$     |          |          | -        | $\dashv$ |
|          |                |                   |                 |          | $\dashv$ | $\vdash$     | -                                   |                |          | _        |            | -      | 100      | $\dashv$  |          | -        | -        |              |          |          | -        | $\dashv$ |
|          | 50             |                   |                 |          |          |              |                                     |                |          |          | L          | l      | IUU      |           | 1        |          |          |              |          |          |          |          |

| Cla   | aim                                    | Date         |              |          |          |  |          |          |          |                 |  |
|-------|--|--------------|--------------|----------|----------|--|----------|----------|----------|-----------------|--|
| Finat | Original                               |              |              |          |          |  |          |          |          |                 |  |
|       | ŀ                                      |              |              | L        |          |  |          | <u>.</u> |          |                 |  |
|       | 101                                    | L.,          | ļ            | ļ        |          | ┖  | <u> </u> | <u> </u> | _        | Ш               |  |
|       | 102                                    | ļ            | -            | _        | _        | <u> </u>   |          | <u> </u> | L        | <b>.</b>        |  |
|       | 101<br>102<br>103<br>104<br>105<br>106 | -            | <u> </u>     | <u> </u> |          | <u> </u>   | _        | <b> </b> | <u> </u> | Н               |  |
|       | 104                                    |              |              | ├        | ⊢        | _  | ⊢        | ⊢        | ⊢        | -               |  |
|       | 106                                    | ┝            | ┢            | $\vdash$ |          | $\vdash$   | $\vdash$ | -        | $\vdash$ | Н               |  |
|       | 107                                    | <del> </del> | -            |          |          | ┢  | -        | -        | -        | Н               |  |
|       | 108                                    | ┢            | $\vdash$     | $\vdash$ | -        | ┢  | $\vdash$ | $\vdash$ | ┢        | Н               |  |
|       | 108<br>109                             |              | Г            | Г        | Г        |  | $\vdash$ | Г        | Т        | П               |  |
|       | 110                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 111                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 111<br>112<br>113                      |              |              | ļ        | L        | L  | $\Box$   |          |          | Ш               |  |
|       | 113                                    | L            | <u> </u>     |          | _        | _  | _        | <u> </u> | L        | lacksquare      |  |
|       | 114                                    | _            | <u> </u>     | _        | <u> </u> | <u> </u>   | $\vdash$ | <u> </u> | $\vdash$ | $\vdash$        |  |
|       | 114<br>115<br>116                      |              | $\vdash$     | _        | ⊢        | ⊢  | <u> </u> | <u> </u> | ⊢        | Н               |  |
|       | 117                                    |              | ├            | ├─       | ├        | H  | -        | -        | -        | Н               |  |
|       | 118                                    |              | $\vdash$     | ┞        | -        | ├-   | $\vdash$ | ┢        | -        | $\vdash$        |  |
|       | 119                                    | _            | <del> </del> | $\vdash$ | $\vdash$ | <del>                                     </del> | -        | -        | $\vdash$ | Н               |  |
|       | 120                                    |              |              |          |          |  | -        | <u> </u> |          | М               |  |
|       | 121                                    |              |              |          |          | Г  | Г        |          |          | H               |  |
|       | .122                                   |              |              |          |          |  |          |          |          |                 |  |
|       | 119<br>120<br>121<br>122<br>123<br>124 |              |              |          |          |  |          |          |          |                 |  |
|       | 124                                    |              |              |          |          |  |          | _        |          |                 |  |
|       | 125                                    |              | ļ            |          |          | _  |          |          |          |                 |  |
|       | 125<br>126<br>127                      |              |              |          | _        |  |          |          |          | Щ               |  |
|       | 128                                    | -            | _            |          |          |  |          |          |          | Н               |  |
|       | 129                                    |              |              | _        | <u> </u> | -  |          | $\vdash$ | $\vdash$ |                 |  |
| -     | 128<br>129<br>130<br>131               | $\neg$       | $\vdash$     | _        |          |  |          | ┢─       | -        | -               |  |
|       | 131                                    |              | _            | -        | _        |  |          | $\vdash$ | _        | _               |  |
|       | 132                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 133<br>134                             |              |              |          |          |  |          |          |          |                 |  |
|       | 134                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 135                                    |              | $\Box$       |          |          |  | _        | <u> </u> |          | Ш               |  |
|       | 136<br>137<br>138                      | _            |              |          | <u>.</u> | <u> </u>   | _        | <u> </u> |          | $\sqcup$        |  |
|       | 13/                                    | $\dashv$     |              |          |          | <u> </u>   | _        | _        | _        | $\vdash \vdash$ |  |
|       | 139                                    | $\dashv$     |              | Н        | -        | $\vdash$   |          | -        | _        | $\dashv$        |  |
|       | 140                                    | $\dashv$     |              | Н        |          | $\vdash$   | -        | $\vdash$ | _        | $\dashv$        |  |
|       | 141                                    | $\dashv$     | _            | _        |          | П  |          |          |          | $\dashv$        |  |
|       | 142                                    |              |              |          |          |  |          | П        |          | П               |  |
|       | 143                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 144                                    |              |              |          |          |  |          |          |          |                 |  |
|       | 145                                    |              |              |          |          |  |          |          |          |                 |  |
| -     | 146                                    | $\Box$       | _            |          | _        | Щ  |          | Щ        | $\sqcup$ |                 |  |
|       | 147                                    | _            | _            |          |          | $\dashv$   | _        | Ш        |          | $\Box$          |  |
|       | 148<br>149                             | $\dashv$     |              | -        |          | $\dashv$   | _        | Н        |          | $\dashv$        |  |
|       | 150                                    | $\dashv$     | $\dashv$     | $\dashv$ |          | $\vdash \vdash$                                  | _        | $\vdash$ | $\vdash$ | $\dashv$        |  |
| I     | 130                                    | 1            | إ            |          |          | Ш  |          |          | 1        |                 |  |